

MEMORANDUM

Date: January 23, 2009
To: Max Ivey, Acting GITA Director / State CIO
Lisa Dee Meyerson, Manager, GITA-PSIC Office
From: Joyce Raschiatore, GITA, Project Oversight
Subject: PS08002 - PSCC Statewide Radio System Demonstration Project

In the role of Project Oversight Manager for all AZ Department of Public Safety (DPS) Project Investment Justifications (PIJs) approved by GITA, I have been monitoring this project since the PIJ was activated, on October 30, 2007. The following is a status update and recommendation regarding disposition of this project:

Status as of DPS Project Overview and Recommendation for Further Action Memorandum from DPS to GITA regarding Demonstration Project, dated September 2, 2008

Per the final status report for PS08002, submitted by the PSCC Project Manager for the period through EOM August 2008, \$1809.5K in expenditures were incurred on this project. Approved development costs for this PIJ were \$2885K, which included \$2035K in equipment-related expense (of which 89% was spent) and \$450K and \$400K planned in Personnel and Professional & Outside Services (which were not reported as expended). The PIJ was considered to be On Hold as of this date, pending resumption of activities once PSCC was transitioned to GITA.

As identified in various status reports, project plans, the DPS Project Overview from September 2, 2009 and other sources, the following deliverables were considered to be met via the Demonstration project –

- Both the Phoenix Regional Wireless Cooperative (RWC, previously PRWN) and Yuma Regional (YRCS) wireless networks were expanded, providing additional capacity and coverage to those systems.
- IGAs were established/supplemented between Yuma/Phoenix and DPS, identifying specific site and channel agreements governing shared locations and use of the equipment being implemented.
- A digital microwave path was established between the White Tanks and Oatman mountain sites, extending digital microwave connectivity into Yuma County and the Western Loop of the DPS Microwave Backbone network.
- Mobile (7) and Portable (50) 700 MHz P25-compliant radios were acquired to enable participation in the wide-area demonstration that was planned.
- Audio patching of talk groups between the Phoenix and Yuma systems was established, utilizing consoles on those systems that were located at DPS, and this method of interoperable communications was demonstrated.
- A prototype Inter Subsystem Interface (ISSI) capable of providing interconnectivity between systems was provided by Motorola, and this method of communicating between the Phoenix and Yuma systems was demonstrated.

The following deliverables were not met as of the date the Demonstration project was considered to be On Hold –

- Interoperable communications between the Phoenix/Yuma systems, and the existing DPS UHF system, was not implemented or tested as part of the Demonstration. ISSI connectivity could only be provided between Motorola 800 MHz systems, and as such, DPS consoles were not included in the final configuration.
- Only a portion of the radios that were acquired were programmed to participate in the Demonstration, pending decisions regarding distribution of the mobile and portable units and the extent of DPS console involvement.
- A full-scale testing and acceptance process, as well as policies, procedures and documentation identified as Conditions per ITAC approval of this PIJ, were not met. These were to be provided once the project was ready to be expanded to additional users.

Current Status

The Project remains On Hold in GITA's Control System, pending discussion/decisions anticipated at the January 28, 2009 PSCC/SIEC meeting. Other post-Demonstration activities identified are as follows –

- Yuma County has taken back the console equipment for their system, which had been located at DPS. The Microwave connectivity established between White Tanks and Oatman via this project continues to provide interoperable communications capability between DPS and Yuma, and remains a critical part of the DPS Western Loop.
- Phoenix PD presented a synopsis of lessons learned from the Demonstration Project as part of the November 20, 2008 PSCC/SIEC Joint Working Session discussion, and an excerpt from the meeting minutes summarizes that discussion. Next steps for Phoenix are dependent upon discussion/decisions on the calendar for the next PSCC meeting.
- The 90 day Motorola ISSI prototype trial period has ended, and DPS is anticipating removal of this equipment. Should the decision be made to continue with the ISSI approach to interoperability, it is understood that the prototype equipment provided for this trial would need to be replaced with upgraded equipment in any event.
- Radios acquired for the Demonstration project, and initially used to provide interoperability for the Super Bowl event, are currently in GITA-PSIC possession, and in process of being re-allocated.
- An Itemized List of expenditures and current disposition of equipment purchased by the project has been compiled.

Recommendation

Per the presentation/discussion regarding the Demonstration Project in the November 20, 2008 PSCC/SIEC Joint Working Session, general consensus appears to be that the project had value, was successful in demonstrating console patch and inter-system connectivity as potential solutions to meeting the interoperable communication needs of the State, and also provided ongoing functional enhancements to existing communications systems at the regional and State level. Participants agreed that the Project was complete, and there were no plans at this time to seek further work or funding related to other previously identified follow-on elements of the full-scale implementation conceptualized in this PIJ.

The recommendation at this time is to close PS08002 PSCC Statewide Radio System Demonstration Project on GITA's Control System as of November 20, 2008 - Project Completion and Conditions Met documents will be provided subsequent to the January 28, 2009 Joint Meeting of the PSCC/SIEC.